

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in the above-captioned patent application:

Listing of Claims:

Claim 1. (Currently Amended) An automatic roller wringer for mops and the like, comprising:

an external casing which is provided with a front, central hollow area, provided with means for being adapted on a bucket or the like provided with wheels;[.]

~~a switch and a charging connection for connecting a battery charger disposed on there being in a the rear area of the external casing; a switch and a charging connection for connecting a battery charger, a door or cover for the battery box being arranged, characterized in that~~

one or two motors configured to drive, as well as a series of gears[.] are incorporated inside the casing, the motors being fed from a circuit comprising at least one battery or accumulator accessible by a door or cover on the rear of the external casing;[.]

having two asymmetrical arms on either side of the hollow area operatively coupled to the motors via the series of gears;[.] and

two first and second transversal rollers arranged in the hollow area and coupled to the asymmetrical arms, the second roller shifting until coinciding with the first roller by means of two projecting lugs connected to the arms, the lugs resting on two parallel guides arranged on the opposing inner faces on either side of the hollow area, the first roller rotating but remaining fixed in the at a point in which it is located relative to the parallel guides.

Claim 2. (Currently Amended) An automatic roller wringer for mops and the like according to claim 1, wherein the series of gears comprises characterized by being provided with two main gears asymmetrically assembled on either side of the hollow area, engaging with the first roller, the main gears being provided with an eccentric guide on the lower part of each one of them through which the pivots a pivot disposed on each of the movable arms pass, which arms generate the advance and pressure of the second roller on the mop and on the fixed, first roller

which upwardly rotates along the entire length of the mop, the second roller returning to its standstill position.

Claim 3. (Currently Amended) An automatic roller wringer for mops and the like according to claim 1, wherein characterized in that the-a part of the arms which support the second roller are provided with a spring on each one of the arms, starting up by means of the-a main switch, with the-in collaboration of the-with an external actuator generating the start up of the-an internal actuator or push button, the motor maintaining rotation until the-microcontroller-a microswitch determines the stop of the motors and carries out the feeding of the circuit in the entire run.

Claim 4. (Currently Amended) An automatic roller wringer for mops and the like according to claim 1, wherein characterized in that one of the series of main gears is provided with a projection which operates generates the operation of the-a microswitch configured to switch off the motors.

Claim 5. (Currently Amended) An automatic roller wringer for mops and the like according to claim 1, wherein the series of gears comprises two main gears on opposing sides of hollow area and characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 6. (Currently Amended) An automatic roller wringer for mops and the like according to claim 1, wherein characterized by being provided with the circuit comprises a polarizing diode and a thermal element.

Claim 7. (Currently Amended) An automatic roller wringer for mops and the like according to claim 2, wherein characterized in that the-a part of the arms which support the second roller are provided with a spring on each one of the arms, starting up by means of the-a main switch, with the-in collaboration of the-with an external actuator generating the start up of the-an internal actuator or push button, the motor maintaining rotation until the-microcontroller-a microswitch determines the stop of the motors and carries out the feeding of the circuit in the entire run.

Claim 8. (Currently Amended) An automatic roller wringer for mops and the like according to claim 2, wherein characterized in that one of the main gears is provided with a projection which operates generates the operation of the-a microswitch configured to switch off the motors.

Claim 9. (Currently Amended) An automatic roller wringer for mops and the like according to claim 2, wherein characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 10. (Currently Amended) An automatic roller wringer for mops and the like according to claim 2, wherein characterized by being provided with the circuit comprises a polarizing diode and a thermal element.

Claim 11. (Currently Amended) An automatic roller wringer for mops and the like according to claim 3, wherein characterized in that one of the series of main gears is provided with a projection which operates generates the operation of the microswitch.

Claim 12. (Currently Amended) An automatic roller wringer for mops and the like according to claim 3, wherein the series of gears comprises two main gears on opposing sides of hollow area and characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 13. (Currently Amended) An automatic roller wringer for mops and the like according to claim 3, wherein characterized by being provided with the circuit comprises a polarizing diode and a thermal element.

Claim 14. (Currently Amended) An automatic roller wringer for mops and the like according to claim 7, wherein characterized in that one of the main gears is provided with a projection which operates generates the operation of the microswitch.

Claim 15. (Currently Amended) An automatic roller wringer for mops and the like according to claim 7, wherein characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 16. (Currently Amended) An automatic roller wringer for mops and the like according to claim 7, wherein characterized by being provided with the battery or accumulator is electrically coupled to a polarizing diode and a thermal element.

Claim 17. (Currently Amended) An automatic roller wringer for mops and the like according to claim 4, wherein the series of gears comprises two main gears on opposing sides of the hollow area and characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 18. (Currently Amended) An automatic roller wringer for mops and the like according to claim 4, wherein characterized by being provided with the circuit comprises a polarizing diode and a thermal element.

Claim 19. (Currently Amended) An automatic roller wringer for mops and the like according to claim 8, wherein characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 20. (Currently Amended) An automatic roller wringer for mops and the like according to claim 8, wherein characterized by being provided with the circuit comprises a polarizing diode and a thermal element.

Claim 21. (Currently Amended) An automatic roller wringer for mops and the like according to claim 11, wherein characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 22. (Currently Amended) An automatic roller wringer for mops and the like according to claim 11, wherein characterized by being provided with the circuit comprises a polarizing diode and a thermal element.

Claim 23. (Currently Amended) An automatic roller wringer for mops and the like according to claim 14, wherein characterized in that the-a wringing process is generated with a single rotation of the main gears, the circuit thereby being open.

Claim 24. (Previously Presented) A automatic roller wringer for mops and the like, comprising:

an external casing, which is provided with a front, central hollow area and which is adapted to be received on an edged support;

at least one motor mounted within said casing

a first roller and a second roller, wherein one of said rollers is movable and the other of said rollers is fixed, with respect to said casing;

a pair of asymmetrical arms mounted on opposite sides of said movable roller and further comprising projecting pivots, wherein a pair of pressuring springs are fitted into a pair of cavities, each of said cavities being formed within one of said arms; and

a pair of main gears, asymmetrically mounted on opposite sides of said cavity, each of said gears comprising an eccentric guide formed on a lower portion of said gear, such that said guides receive said pivots and said gears engage said movable roller, whereby said gears are operatively connected to said movable roller and whereby said gears advance said movable roller toward said fixed roller.

Claim 25. (Previously Presented) The automatic roller wringer of claim 24, wherein said at least one motor is an electric motor and said at least one motor is adapted to be powered by a battery or accumulator.

Claim 26. (Previously Presented) The automatic roller wringer of claim 24, wherein one of said main gears further comprises a projection which engages a microswitch to switch on and to switch off said at least one motor.

Claim 27. (Previously Presented) The automatic roller wringer of claim 24, wherein said main gears are adapted such that said movable roller reaches said fixed roller by a single rotation of said main gears.